

INFORMATION ONLY

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE HEALTH AND SAFETY PLAN ACCIDENT PREVENTION SAFETY PROGRAM PLAN INT. OPER. UNITS	Manual No . Section No Page: Effective Date Organization: Environmental Restoration Mgmt	RFP/ERM-94-00019 Table of Contents, R1 1 of 1 1/12/95
---	--	--

TABLE OF CONTENTS HEALTH AND SAFETY PLAN ACCIDENT PREVENTION SAFETY PROGRAM PLAN INTEGRATED OPERABLE UNITS

<u>Section No.</u>	<u>Title</u>	<u>Rev No.</u>	<u>Effective Date</u>
	Detailed Table of Contents	0	11/04/94
•95-DMR-ERM-0004	Personnel and Site Condition Changes to OU9 Affects sections 2,5,6,7,8,9,10,APPC	0	1/12/95
1 0	Introduction	0	11/04/94
2 0	Health and Safety Personnel	0	11/04/94
3 0	Facility Characteristics	0	11/04/94
4 0	General Health and Safety Requirements	0	11/04/94
5 0	Hazard Evaluation	0	11/04/94
6 0	Personnel and Air Monitoring	0	11/04/94
7 0	Work Zone	0	11/04/94
8 0	Personal Protective Equipment	0	11/04/94
9 0	Decontamination Procedures	0	11/04/94
10 0	Emergency Response Plan	0	11/04/94
11 0	Logs, Reports, and Record Keeping	0	11/04/94
12 0	References	0	11/04/94
APPA	Appendix A Personal Protective Equipment and Monitoring Requirements	0	11/04/94
APPB	Appendix B Jacobs' Medical Surveillance Procedures	0	11/04/94
APPC	Appendix C Jacobs Engineering Group Standard Operating Procedures	0	11/04/94

DOCUMENT CLASSIFICATION: UNCLASSIFIED
PER R B HOFFMAN, CLASSED BY UNOFFICIAL
JUNE 11 1995

A-OU09-000168

INFORMATION DOCUMENT MODIFICATION REQUEST (DMR)

95-AMR-

Page 1 of 3

Refer to 1-A01-PR ONLY for Processing Instructions
Print or Type All Information (Except Signatures)

1 Date 12/9/94	25 DMR No 94-DMR <i>ERM-0004</i> <i>Am 1/9/95</i>
3 New Document Number or Document Number if it is to be changed with this Revision N/A	
4 Originator's Name/Phone/Page/Location <i>B. D. Peterman 9659/5472/080</i>	
5 Document Title Integrated Operable Units Health & Safety Plan	

Existing Document Number/Revision RFP/ERM-94-00019	
6 Document Type <input type="checkbox"/> Procedure <input checked="" type="checkbox"/> Other <i>H&S Plan</i>	7 Document Modification Type (Check only one) <input type="checkbox"/> New <input type="checkbox"/> Revision <input type="checkbox"/> Intent Change <input checked="" type="checkbox"/> Nonintent Change <input type="checkbox"/> Editorial Correction <input type="checkbox"/> Cancellation

8 Item	9 Page	10 Step	11 Proposed Modifications
1	2-2	F2-1	Change names as shown on revised F2-1 OU9 Project Manager is John Zimmerman, Field Team Leader is Simon Bell, H&S Coordinator is Lisa Nelowet OU14 Project Manager is Bill Fieselman, HSS's are David Spruce, Tom Waddel
2	Sec 6 p 4	6 3	Delete 1st two sentences of Personal Sampling paragraph Modify third sentence to read as follows "Personal sampling will be conducted only when Level C action Levels are reached with direct reading instruments or when otherwise noted in Appendix A "
3	Sec 6 p 7	6 4 4	Insert new first sentence "Personal sampling will only be performed when directed to by EG&G Radiological Engineering "
4	Sec 6 p 8	6 4 6	Insert new first sentence "Ambient air sampling for airborne alpha radioactivity will only be performed when directed to by EG&G Radiological Engineering or if action levels for dust are exceeded in an RCA
5	Sec 5 p 42	5 5 9 1	Delete the word "strenuous" from the first sentence of "Heat Stress Monitoring and Work Cycle management " Delete "even if workers are not wearing impervious clothing " Delete "and body water loss" from 2nd paragraph under "Heat Stress Monitoring " Change "oral temperature" to "oral or ear canal temperature "
6	Sec 6 p 3	6 3	Delete paragraph 6, " The fact that contaminants are listed "

12 Justification (Reason for Modification EJO# TP# etc) Incorporating changes to improve compliance with 29CFR1910 120 and reflect current personnel and site conditions
--

If modification is for a new procedure or a revision list concurring disciplines in Block 13 and enter N/A in Blocks 14 and 15 If modification is for any type of change or a cancellation organizations are listed in Block 13 then Concuror prints and signs in Block 14 and dates in Block 15

13 Organization	14 Print and Sign (if applicable)	15 Date (if applicable)
EOM	K D Anderson <i>[Signature]</i>	12/22/94
RE	D Hyder <i>[Signature]</i>	12/22/94
IH	M D Schreckengast <i>[Signature]</i>	1/2/95
IA OU	B D Peterman <i>[Signature]</i>	12/20/94
QA	R S. LUXER <i>[Signature]</i>	1/9/95

16 Originator's Supervisor (print/sign/date) Bruce D Peterman <i>[Signature]</i> 12/22/94	17 Assigned SME/Phone/Page/Location Craig Cowdery/6953/5466/080 <i>[Signature]</i>	18 Cost Center 3113	19 Charge Number 95903600	20 Requested Completion Date 1/1/95	21 Effective Date 1/12/95
22 Accelerated Review? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	23 ORC Review <i>[Signature]</i>	4 Responsible Manager (print/sign/date) Craig Cowdery <i>[Signature]</i> 12/22/94			

Received for Ret. at 3:40 1/9/95

REVIEWED FOR CLASSIFICATION/UCN
BY NA
DATE NA

Refer to 1-A01-PPG-001 for Processing Instructions
Print or Type All Information (Except Signatures)

25
DMR No 95-DMR-ERM-0004
94-DMR-
Jan 17/9/95

2 or 3 Document Number/Revision RFP/ERM-94-00019			3 Document Title Integrated Operable Units Health & Safety Plan
8 Item	9 Page	10 Step	11 Proposed Modifications
7	Sec 9 p 2	9 1 1	Change "dispose of glove" to "dispose of outer gloves" Add bullet after "Remove respirator bullet" to read "Remove and dispose of inner gloves "
8	Sec 8 p 2	8 1 1	Change first paragraph to read "For activities to be conducted under this plan, personnel will wear Level D as defined in Section 8 1 3 " Delete paragraphs 2 and 3
9	Sec 8 p 5	8 1 3	Add bullet after dosimeter badge bullet to read "nitrile gloves if hand contact with potentially contaminated materials is likely "
10	Sec 5 p 14	5 2 2	Integrate new chemicals as shown into Section 5 2 2 alphabetically
11	Sec 5 p 2	5 2 Table 5-1	Integrate new chemicals as shown into Table 5-1 chemical Exposure Hazard Summary alphabetically
12	Sec 5 p 38	5 5 3	Change "Utility clearance will be completed before work begins " to "Utility clearance will be completed by the client before work begins "
13	Sec 5 p 38	5 5 3	Change (SOP 7 7) to read SOP 7 7a
14	Sec 5 p 38	5 5 3	Delete "which uses hand-augering to confirm the absence of buried utilities." Change the last sentence to read "A copy of Jacobs' SOP 7 7a is provided in Appendix C
15	Appendix C	SOP 7 7	Delete SOP 7 7, add new SOP 7 7a Utility Clearance at Rocky Flats Plan (7 pages)
16	Sec 7 p 4	7 1 5	The fourth bullet will read as follows "All visitors will receive a site specific safety briefing, and will be escorted at all times Visitors in areas requiring Level A, B or C PPE must have the equivalent training and PPE as the onsite worker to gain entry "
17	Sec 7 p 4	7 1 5	Add bullet after above statement that reads, "Visitors in areas requiring Level D PPE must have Level D PPE, receive a site specific safety briefing, and will be escorted at all times
18	Sec 7 p 4	7 1 5	Add paragraph/sentence after "All site visitor access must be clearly documented " bullet to read "If visitor does not supply current documentation but insists that he/she enters area the following actions are to be taken "
19	Sec 7 p 4	7 1 5	Add bullet after above new statement to read "On site HSS or HSST will shut down activities, secure area by monitoring with instrumentation, and contact HSO/HSS or Site Manager
20	Sec 7 pg 5	7 2	Is first sentence delete "heavy equipment or"
21	Sec 6 p 4	6 3	Add new text to end of <u>Action Levels</u> paragraph <u>When</u> action levels are reached which, according to Appendix A, require "evacuation and reevaluation," site workers must move to an area where direct reading instrumentation shows airborne concentrations are below the action levels of concern The HSS/HSST must contact the Health & Safety Coordinator to determine further action

Refer to 1-A01-PPG-001 for Processing Instructions
 Print or Type All Information (Except Signatures)

25

DMR No.

95-DMR-ERM-0004
~~94-DMR~~ Jan 1/9/95

or 3 Document Number/Revision
 RFP/ERM-94-00019

3 Document Title
 Integrated Operable Units Health & Safety Plan

8 Item	9 Page	10 Step	11 Proposed Modifications
22	Sec 6 p 2	6 3	Add to end of 1st paragraph "All monitoring will be in the breathing zone unless otherwise specified in Appendix A "
23	Sec 10 p 2	10 2 1	Add EG&G Operations Manager Representative Change 'Kent Mahana' to "Lisa Nelowet "
24	Sec 10 p 3	10 2 1	Add EG&G Operations Manager Representative
25	Sec 10 p 8	10 3 1	Add Operations Manager Representative, as listed in Tables 10-1, 10-2, must be notified of any unplanned releases
26	Sec 10 p 9	10 3 2	Change "Kent Mahana" to "Lisa Nelowet"
27	Sec 5 p 5-31	T5-4	Modify as shown
28	Sec 6 p 3	6 3	Replace "every 15 minutes" to "whenever site conditions change" in first paragraph
29		F7-1	Delete figure
30	Sec 7 p 5	7 2 1	Delete 1st sentence

12 Justification (Reason for Modification EJO# TP# etc)

TABLE OF CONTENTS

(Continued)

	Page
10.4.4 First-Aid Register	10-11
10.4.5 Vehicle Accident Reporting Procedure	10-11
10.5 ROCKY FLATS PLANT REPORTING PROCEDURE	10-11
11.0 LOGS, REPORTS, AND RECORD KEEPING	11-1
11.1 HEALTH AND SAFETY LOGBOOK	11-1
11.2 CALIBRATION LOGS	11-1
12.0 REFERENCES	12-1

List of Figures

Figure 2-1	Integrated OU Project Organization Chart Rocky Flats Plant	2-2
Figure 3-1	Rocky Flats Plant - Location Map	3-2
Figure 3-2	Rocky Flats Plant - General Map	3-3
Figure 3-3	Rocky Flats Plant Building Location Map	3-5
Figure 7-1	Typical Site Control Layout	7-6

List of Tables

Table 3-1	Summary of Nonintrusive Activities by Integrated Operable Units and Individual Hazardous Substance Sites	3-10
Table 5-1	Chemical Exposure Hazard Summary	5-2
Table 5-2	Integrated Operable Unit Location and Hazard Summary by Individual Hazardous Substance Site	5-4
Table 5-3	Radionuclides	5-12
Table 5-4	Asphalt and Concrete Removal and Sampling	5-31
Table 5-5	Polychlorinated Biphenyl Sampling	5-32

TABLE OF CONTENTS

(Continued)

	Page
Table 5-6 Polychlorinated Biphenyl Sampling	5-33
Table 5-7 Soil-Gas Survey	5-35
Table 5-8 Surface Water and Sediment Sampling	5-36
Table 6-1 Survey Instrumentation	6-6
Table 9-1 Radioactive Contamination Limits	9-3
Table 10-1 Emergency Telephone Numbers - Fieldwork	10-2
Table 10-2 Pager Numbers	10-3

List of Appendices

APPENDIX A Personal Protective Equipment and Monitoring Requirements

APPENDIX B Jacobs' Medical Surveillance Procedures

APPENDIX C Jacobs Engineering Group Standard Operating Procedures

LIST OF EFFECTIVE PAGES

<u>Pages</u>	<u>Effective Pages</u>	<u>Change Number</u>
TOC viii	1/12/95	95-DMR-ERM-0004
Section 5 1-59	1/12/95	95-DMR-ERM-0004
Section 6: 2-4, 7-8	1/12/95	95-DMR-ERM-0004
Section 7: 4-5	1/12/95	95-DMR-ERM-0004
Section 8 2, 5	1/12/95	95-DMR-ERM-0004
Section 9 2	1/12/95	95-DMR-ERM-0004
Section 10 2-3, 8-9	1/12/95	95-DMR-ERM-0004
Appendix C SOP 77a	1/12/95	95-DMR-ERM-0004

- 95-DMA-ERM-0004
- Wash and rinse gloves and boots with nonphosphate detergent and water
 - Remove and dispose of outer gloves and coveralls
 - Remove respirator (for Level C) and clean
 - Remove and dispose of inner gloves
 - Wash hands and face with soap and water

9.1.2 Radioactive Contamination

Personnel with identified radioactive contamination that cannot be readily removed in the field will be transported to the designated RFP Occupational Health facility (Building 122) for decontamination. Decontamination will be performed in accordance with EG&G EMRG 2 3, Wounds and Skin Contamination, in consultation with the EG&G Environmental Management Radiological Engineer.

9.2 HEAVY EQUIPMENT --

Heavy equipment decontamination will be performed at the designated RFP decontamination pad. Level C is required for decontaminating heavy equipment such as field vehicles, augers, and drill rigs. Personnel Level C decontamination will be accomplished as described in RFP EMD Operating Procedures Manual Volume I, Field Operations, FO 12, Decontamination Facility Operations, Revision No 2, and FO 04, Heavy Equipment Decontamination.

9.3 SMALL EQUIPMENT

Small equipment will be protected from contamination by draping, masking, or otherwise covering as much of the instruments as possible with plastic, without hindering the operation of the unit.